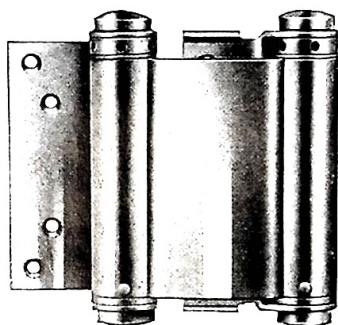


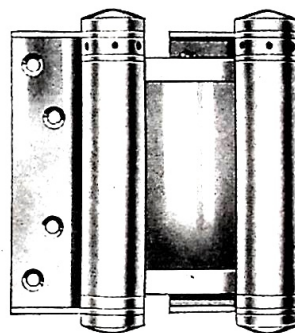
TRADE **CHICAGO** MARK
SPRING HINGES

New *Streamlined* Chicago Spring Butt-Hinges With Button Tip Ornamentations



Type 1001
"Simplex" Spring Hinge
No Hanging Strip Required

Chicago Spring Butt-Hinges, double and single acting, are now supplied with button tip ornamentations which are in keeping with the most modern designs in builders hardware. Careful designing has created features of proven advantage.



Type 2001
"Triplex" Spring Hinge
Hanging Strip Required

Special Features

Door flange requires a shallow mortise. This feature is important when the hinges are used on light weight doors constructed so that a deep mortise is not suitable.

Button tip ornamentations are held securely in place by improved lock washer of latest design.

Lugs at each end of the spring barrels are made of wrought non-breakable metal with hardened steel bearings—cadmium treated. This reduces wear to a minimum.

Springs are made of high grade tempered steel of ample size and proper length, diameter and gauge.

**CHICAGO
SPRING HINGE
COMPANY**

MAKERS OF DOOR CLOSING DEVICES SINCE 1885

GENERAL OFFICES AND WORKS
1500-1502 CARROLL AVE.
CHICAGO 7, ILL.

Telephone, MOOnroe 6-6868—6-6869

CHICAGO SPRING BUTT-HINGES

"TRIPLEX" Spring Butt-Hinges

Made of steel, brass or bronze metal in various finishes

The Chicago "Triplex" Spring Butt-Hinge is applied with one flange mortised into the hanging strip and the other into the door. The body is made from one piece of metal, formed with multiple thickness in the web and there is no joint where the barrel continues as the web.

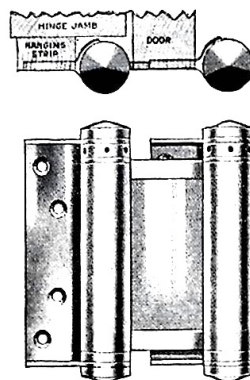
The concealed hardened steel frictionless bearings are characteristic of this product. Springs are made of best tempered steel wire in ample proportions.

Dimensions (in inches)

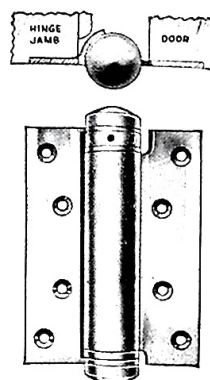
Length of Flange (size of hinge)	3	4	5	6	7	8	10	12
Minimum thickness of door or hanging strip	$\frac{3}{4}$	$\frac{7}{8}$	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{8}$	$1\frac{3}{4}$	$2\frac{1}{2}$
Maximum thickness of door or hanging strip								
With Chamfering	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	3
Without Chamfering. For metal doors.	$1\frac{3}{8}$	$1\frac{7}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{3}{8}$

Template Blue Print or Template Hinge will be sent on request.

double acting,
type 2001



single acting,
type 2002



HANGING STRIP REQUIRED

"SIMPLEX" Spring Butt-Hinges

Made of steel, brass or bronze metal in various finishes

The Chicago "Simplex" Spring Butt-Hinge is applied to the surface of the jamb without a hanging strip. The entire thickness of the hinge is mortised into the door. This method of application is simple and economical. Single acting hinge may be applied with one flange mortised into jamb.

The concealed hardened steel frictionless bearings are characteristic of this product. Springs are made of best tempered steel wire in ample proportions.

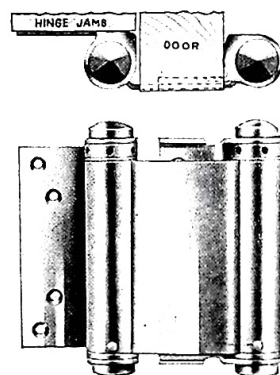
Dimensions (in inches)

Length of Door Flange (size of hinge)	Type 1001				Type 9001			
	3	4	5	6	7	8	10†	
Minimum thickness of door	$\frac{3}{4}$	$\frac{7}{8}$	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{8}$	$1\frac{3}{4}$	
Maximum thickness of door								
With chamfering	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	
Without chamfering. For metal doors	$\frac{7}{8}$	$1\frac{1}{8}$	$1\frac{1}{8}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	

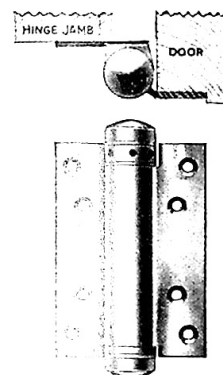
† Type 9002, single acting, not made in this size.

Template Blue Print or Template Hinge will be sent on request.

double acting,
type 1001—3 to 6 inches
type 9001—7 to 10 inches



single acting,
type 9002



NO HANGING STRIP REQUIRED

"HI-DUTY" Spring Butt-Hinges and Buffers

For Extra Heavy Doors in Trucking Doorways

Many Architects and Engineers do not realize the amount of abuse given to hinges where trucks pass through a doorway. Unless a specially constructed hinge for this purpose is specified, the repair expense is continual.

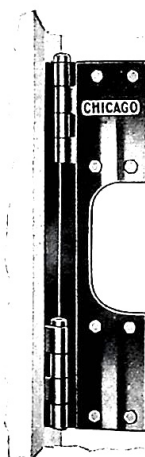
The spring of this hinge is located between the door and casing so it is protected from trucks as they pass through the doorway.

The hinge has a multiple of large bearings to carry the weight of the door and the pins are securely held in place by a pin locking device. The clamp flange is an integral part of the hinge.

The entire construction is of heavy, high grade malleable iron castings and will resist excessive violence.

This hinge has two axes which permits opening the door 180 degrees, if other conditions permit. It is preferable to a pivot hinge which brings the door in contact with the hinge jamb before it is entirely open and usually results in damage.

double acting,
type CSI



spring steel buffers
type 35

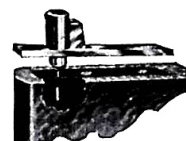


Specify these buffers and reduce shock and damage to the doors and hinges.

"RELAX" Spring Pivot-Hinges

The Chicago "Relax" Spring Pivot-hinge is suitable for the highest class requirements. It is applied to surface of floor, thereby avoiding cutting and possible interference with girders or iron beams. The tension is adjustable. The spring action is readily disengaged by a lever, allowing door to be placed open in any desired position. Weight of door is carried on ball bearings located in top of hinge, thereby protected from dirt and moisture. Plunger top pivot, furnished with this hinge, permits the door to be fitted closely to the frame head and to be taken down readily without removing any screws. No hanging strip required. Jamb edge of door must be slightly rounded. For tile or concrete floors specify jamb attaching plate. Made of steel, brass or bronze metal in various finishes.

double acting, type 6001

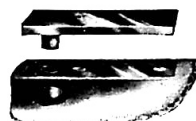


Furnished in three sizes,
A—1 1/8 to 1 1/2 in.
B—1 1/2 to 2 in.
C—1 3/4 to 2 3/4 in.

"PREMIER" Spring Pivot-Hinges

The Chicago "Premier" Spring Pivot-hinge is applied to the surface of floor. Mechanical construction reduces tendency of wear in bearing. Action of spring is compression and it is made of best tempered steel flat wire. Tension is readily adjusted. A device is provided for aligning door. With this hinge, door will remain open if opened 90°. No hanging strip is required. Jamb edge of door must be slightly rounded. For tile or concrete floors specify jamb attaching plates. Made of steel, brass or bronze metal in various finishes.

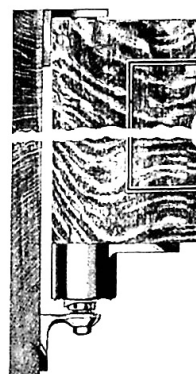
double acting, type 4001



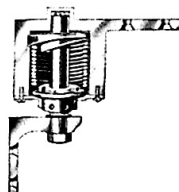
Furnished in two sizes,
A—1 1/8 to 1 3/4 in.
B—1 3/4 to 2 3/4 in.



double acting, type 4007



The attaching plates of the brackets are 2 1/4 ins. high by 1 1/2 ins. wide. Pintle center to surface of post is 1 1/8 ins.



SAGLESS GATE Spring Pivot-Hinges

The Chicago "Sagless" Gate Spring Pivot-hinge is of the pivot type and prevents sagging of gates, although they may be wide or heavy. The weight of the gate is carried on ball bearings and is not supported by the spring, therefore a very light tension may be applied. Exterior tension adjustment permits use after hinge is applied. Convex lock washer in bottom bracket forms a ball and socket adjustment automatically aligning hinge pintle with top pivot.

An adjustable pintle, with locking device, permits setting the gate or door to come to rest in any desired position. The spring is of large dimensions and made of best tempered steel flat wire. A ball bearing top socket is supplied. All attachments may be applied to the surface of the post and gate without mortising—very desirable for metal gates.

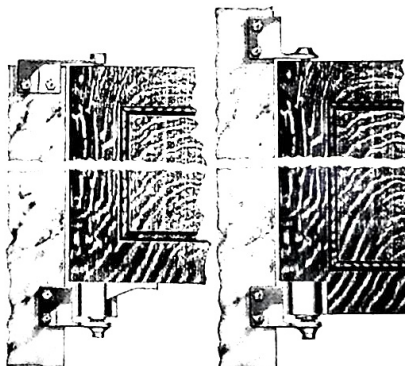
Supplied in iron, brass or bronze metal in various finishes, for gates 1 1/8 to 2 1/2 ins. thick, with a hand rail as wide as 2 1/2 ins.

SAGLESS LAVATORY DOOR Spring Pivot-Hinges

The "Sagless" lavatory stall door spring pivot-hinge is made with attachments, as illustrated, for application to marble stile or metal standards. The clamp Type "A," "C" and "B" attachments are adjustable 1/8 in. under or over the following sizes by which they are specified: 1, 1 1/4, 1 1/2, 1 3/4 and 2 in. Hinge can be used either double or single acting. An adjustable pintle with locking device permits setting the door to come to rest in desired position. Affix "M" to type number if hinge is to be mortised in bottom of door. A larger hinge of similar type with greater spring power and exterior tension adjustment can also be furnished. Specify as 4227 or 4227M with prefix to indicate type of attachments desired. This hinge is particularly adapted to double acting dwarf vestibule doors. See Type 4007 for features.

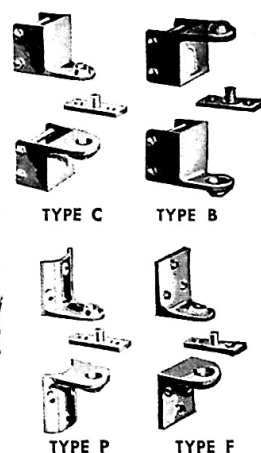
Made of polished Brass or Bronze metal, nickel or chromium plated.

type 7227



TYPE AD7227

TYPE A7227M



TYPE C

TYPE B

TYPE P

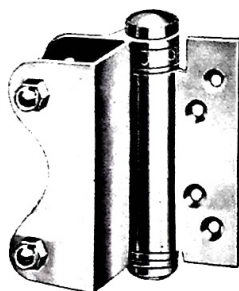
TYPE F

GRAVITY TYPE HINGES—In our opinion gravity type hinges are not as adaptable to varying conditions and requirements as spring hinges. We manufacture gravity type hinges which in design and

application are similar to Type 7227 spring hinges. These are equal to or better than other gravity hinges on the market and can be supplied with the attachments illustrated.

TRADE **CHICAGO** MARK
SPRING HINGES

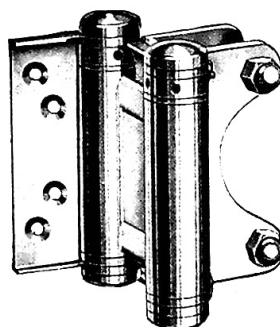
CHICAGO "TRIPLEX" LAVATORY DOOR SPRING HINGES
 Polished Brass or Bronze Metal—Nickel or Chromium Plated



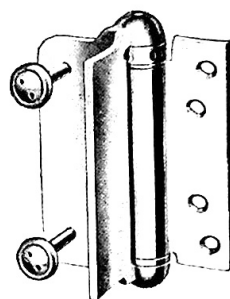
TYPE 2242
 Single Acting
 Clamp Flange—4 in.



TYPE 2244
 Springless Hinge

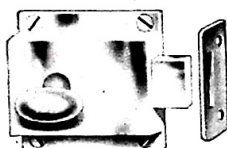


TYPE 2241
 Double Acting
 Clamp Flange—4 in.

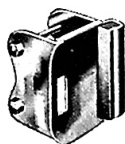


TYPE 3242 1/2
 Single Acting
 Angle Flange—4 in.

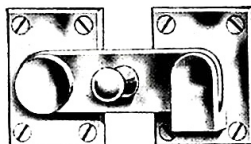
LAVATORY DOOR BOLTS, LATCHES AND DOOR STOPS
 Polished Brass or Bronze Metal—Nickel or Chromium Plated



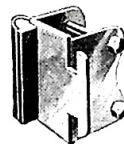
TYPE 1250K
 Rim Bolt



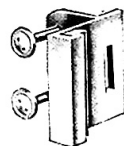
TYPE 1247F
 Adjustable Clamp Flange
 Open In



TYPE 1242K
 Swing Latch



TYPE 1247C
 Adjustable Clamp Flange
 Open In



TYPE 3247 1/2 F
 Angle Flange
 Open In

The Chicago Triplex Lavatory Door Spring Hinges, illustrated, are supplied for stile thickness as specified, in brass metal, nickel or chromium plated. Other finishes are made for special orders.

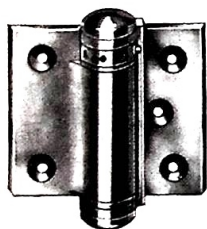
Types 2242 and 2244 hinges have adjustable clamp flanges and open head nuts on bolts, permitting adjustment of 1/8 in. under and over the following sizes by which they are specified: 1, 1 1/4, 1 1/2, 1 3/4 and 2 ins.

The advantage of the adjustable clamp flange is

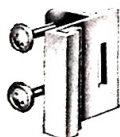
that it can be securely applied to stiles having slight variations in thickness.

Where doors are very narrow or light a single-acting spring hinge may be used with a springless hinge, Type 2244. When doors swing "in," hinges can be furnished with reverse action springs to hold door open.

Lavatory door stops and various types of door bolts and latches can be supplied to meet conditions.



TYPE 3443
 Flange—3 in.
 Spanner Head Bolts
 for Stile



TYPE 3247 1/2 F
 Door Stop with Keeper
 Open In

CONCEALED LAVATORY STALL DOOR SPRING HINGE AND DOOR STOP

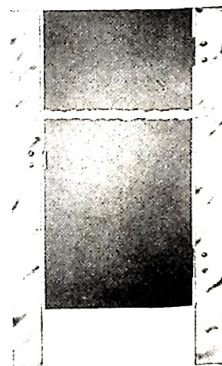
Polished Brass or Bronze Metal—Nickel or Chromium Plated

When this Spring Hinge and Door Stop are applied almost all hardware, except the fastening screwheads and washers, is concealed within the stall.

This Spring Hinge is particularly desirable where top of door is flush with top of stile as no hardware projects above the door or stile. For these conditions, a Spring Hinge is preferable to a Gravity Hinge which raises and lowers when operated and the top of door and stile will not remain flush in various open positions of the door.

This is a heavy cast metal Spring Hinge with steel, cadmium treated, concealed bearings. A hinge is applied at top and bottom of door which gives more secure application and larger bearings than pivot type hinges.

The door stop is made of heavy metal and is L shaped, so that when the door strikes the stop the pressure is not directly on the fastening bolts of the door stop.



View Outside
 Hardware
 Concealed

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